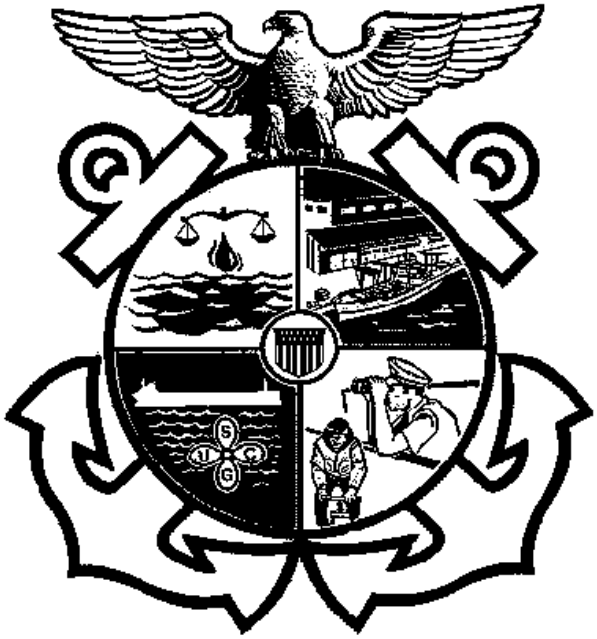
Hull Inspector (HI)



PQS Workbook

HI Qualification
Task Matrix

TSK #	TASK	DATE
AC01	Inspect berthing accommodations.	
AC04	Inspect mess deck spaces.	
AC05	Inspect hospital spaces.	
AC06	Inspect areas where washers and dryers are installed.	
AC07	Inspect paint lockers.	
AC08	Inspect ladders, railways, and gangways.	
AC10	Inspect heating and cooking equipment.	
CS01	Verify cargo aboard is transported in approved cargo systems.	
CS04	Inspect components installed in designated hazardous locations.	
CS05	Inspect dry bulk cargo system.	
CS06	Inspect break bulk cargo system.	
CS07	Inspect container systems.	
CS09	Test and inspect the emergency shutdown station(s).	
DD11	Examine draft marks.	
DD12	Examine load line.	
DD24	Examine freeing ports and scuppers.	
ED01	Observe fire and boat drills.	
ED04	Review logbook and ensure entries for tests and drills have been made.	
EE01	Inspect fireman’s outfit(s).	
EE02	Examine required refrigeration masks.	
EE03	Inspect international shore connection.	
EE04	Inspect EPIRB.	
EE05	Test and inspect the general alarm system.	
EE06	Inspect line throwing equipment.	
EE09	Inspect pyrotechnics.	
ES07	Ensure lighting systems/fixtures are adequate and meet requirements.	
ES09	Ensure receptacle outlets are properly grounded.	
ES10	Inspect distribution panels.	
ES12	Survey/inspect electrical cable installation.	

HI Qualification
Task Matrix

TSK #	TASK	DATE
ES13	Test power operated watertight doors from local/remote control units.	
ES14	Test/inspect internal communication and control systems.	
ES16	Inspect components installed in designated hazardous locations.	
ES18	Inspect the general alarm system emergency batteries.	
ES19	Perform operational test of remote ventilation shutdowns.	
FF01	Determine amount, type, location of fire protection equipment required.	
FF02	Inspect CO_2 systems.	
FF06	Inspect Halon systems.	
FF08	Inspect semi-portable firefighting equipment.	
FF09	Inspect portable firefighting equipment.	
FF10	Inspect fire main and fire stations.	
FF13	Witness operational test of fire detection system.	
FF14	Examine fire doors and dampers	
FF16	Inspect and operationally test sprinkler system.	
FF17	Review fire control and hazardous location plans.	
FF18	Inspect fire axes.	
FF19	Inspect condition of vent and duct leading from grill in galley.	
FF20	Examine fire control plan.	
FF21	Inspect accommodation areas for compliance with SFP requirements.	
FP01	Verify that required forms, placards and notices are posted.	
GT01	Verify ground tackle and related equipment is in satisfactory condition.	
GT04	Inspect mooring system/equipment.	
II01	Review vessel documents and papers; state if each is valid or expired.	
II05	Discuss scope of inspection with owner’s representative.	
II06	Obtain CG-2692 for reportable marine casualties.	
II07	Examine gas-free certificate.	
II09	Review any outstanding CG-835s and ask if other deficiencies exist.	
LS01	Determine amount/type of lifesaving equipment required.	
LS05	Inspect life preservers.	

HI Qualification
Task Matrix

TSK #	TASK	DATE
LS06	Inspect ring buoys.	
LS07	Inspect survival suits.	
LS08	Inspect lifeboat equipment (or survival capsule).	
LS09	Inspect lifeboat (or survival capsule) for hull structure and fittings.	
LS10	Witness lifeboat and davit launched raft weight test.	
LS11	Inspect and test lifeboat winches and associated equipment.	
LS12	Witness lifeboat operation.	
LS13	Inspect embarkation aids.	
LS14	Inspect davit structure.	
LS16	Inspect inflatable liferaft installations.	
LS17	Inspect rescue boat.	
LS18	Check if vessel meets criteria for rescue platform in lieu of rescue boat.	
MI01	Determine condition of the components of the steering gear assembly.	
MI06	Inspect bilge pumps installation, piping, and valves.	
MI09	Examine potable water system.	
NS01	Ensure radars are operable.	
NS02	Inspect magnetic compass.	
NS03	Inspect required depth sounding/recording equipment.	
NS04	Examine radio direction-finding equip./elect. position fixing devices.	
NS05	Examine radio equipment and FCC or SOLAS documents.	
NS06	Inspect navigation and signal lights.	
NS09	Inspect signaling devices.	
NS10	Inspect navigation publications.	
NS12	Ensure required navigational equipment is on board.	
NS13	Ensure required maneuvering characteristics are complete.	
NS14	Ensure required pre-arrival and departure tests are logged.	
PP01	Inspect pollution prevention equipment and documentation.	
PP03	Ensure that MSD requirements are met.	
PP04	Conduct IOPP boarding and survey.	

HI Qualification
Task Matrix

TSK #	TASK	DATE
PP05	Verify MARPOL V compliance.	
RT01	Complete Initial Indoctrination Lesson Plan Series (IILPS).	
RT02	Complete Inspection Department Course.	
RT06	Complete SMI Introduction Course.	
RT07	Complete SMI Hull Course.	
ST01	Examine stability letter and book.	
VS02	Inspect vents to voids, ballast, and portable water tanks.	
VS03	Examine deck openings and vents.	
WI01	Inspect watertight doors.	
WI02	Test power-operated watertight doors from local/remote control units.	
WI03	Inspect watertight bulkhead penetrations.	
WI05	Inspect remote-operated valves and controls.	
WI06	Inspect bilge wells and "rose boxes."	
WI07	Inspect hull and deck openings.	
WI09	Inspect port light covers.	
WR01	Evaluate welding repair proposal.	
WR02	Complete initial visual inspection of weld repair.	
WR03	Complete intermediate visual inspection of weld repair.	
WR04	Complete final visual inspection of weld repair.	
WR05	Witness pressure testing of welded repairs.	

Trainee's OJT Manual has been reviewed and I recommend a training qualification board be scheduled.

Training Officer: _____

Date: _____

Date Qualification Board Completed: _____

HI Tasks

Task Number	*OJT Task*	*Date Completed*	*Verifying Officer*

AC01 Inspect berthing accommodations. _____ _____

- Spaces provided of size required by regulations
- Appropriate number of berths provided
- Proper seating available for PAX's on vessels whose voyages are limited by certificate of inspection to set time periods
- Lockers of proper size provided for each berth
- Screens provided for ventilation ports on non-air conditioned vessels
- Mechanical ventilation/air-conditioning systems operating properly
- Adequate number of toilets and washrooms provided for number of persons in crew specified on certificate of inspection, kept in good repair and in a sanitary condition
- Lights provided for each berth
- Hot water heating piping within the space properly lagged
- Electrical hazards
- Two means of escape provided from each berthing space and other areas where personnel would normally be employed

AC04 Inspect mess deck spaces. _____ _____

- Reasonable sanitation standards are evident
- No excessive grease buildup has accumulated in the grill area and in the grill vent
- Chill boxes are operable and reasonably clean
- Escape latches or alarm systems on the chill boxes are functioning properly

AC05 Inspect hospital spaces. _____ _____

- Hospital space adequate in size to accommodate the portion of crew required by regulation
- Required equipment is available for use (stretcher, blankets, etc.)
- Space has head, washing and bathing facilities
- Space provided as hospital/treatment room is dedicated to that purpose; no PAX's or other persons in the crew are berthed there

AC06 Inspect areas where washers and dryers are installed. _____ _____

- Dryer unit is properly vented and no fire hazard due to lint buildup exists
- "Jury-rigged wiring" systems for units are employed
- Units securely mounted

HI Tasks

Task Number	*OJT Task*	*Date Completed*	*Verifying Officer*
AC07	Inspect paint lockers. • Required fire protection equipment provided in accordance with applicable regulations and vessel's approved fire safety plan • Space(s) designated constructed of or wholly lined with metal • Space(s) well vented and means provided to secure ventilation if necessary	_____	_____
AC08	Inspect ladders, rails and gangways. • An approved pilot ladder provided and maintained in good repair • Accommodation ladder of sufficient size provided to be used when distance from sea level to vessel's deck is more than 30 feet • "Rails" are provided on accommodation ladders, when used	_____	_____
AC10	Inspect heating and cooking equipment. • Thermal cutouts for electric space heaters • Grab rails for electric ranges • LPG/CNG installed in accordance with regulations	_____	_____
CS01	Verify cargo aboard is being transported in approved cargo systems.	_____	_____
CS04	Inspect components installed in designated hazardous locations. • Cable runs inboard and clear of cargo tank openings • Electrical components used in cargo pumproom intrinsically safe • Storage batteries located in cargo handling areas • Lights in pump rooms use gas tight lenses or intrinsically safe units • Electrical components on the weather deck located within ten feet of cargo tank openings, tank vents or doors, explosion proof	_____	_____
CS05	Inspect dry bulk cargo system.	_____	_____
CS06	Inspect break bulk cargo system. • Approved cargo gear plans aboard • Valid cargo gear certificates aboard • Cargo gear examined in absence of cargo gear certificate • Vessel loading manual available • Hatch covers	_____	_____

HI Tasks

Task Number	*OJT Task*	*Date Completed*	*Verifying Officer*
	• Condition of ladders		
CS06 (cont'd.)	• Electrical fixtures and wiring • Fire detection system in hatches • Fire safety and personnel hazards • Power-operated industrial trucks		
CS07	Inspect container systems. • Approved cargo gear plans aboard • Valid cargo gear certificates aboard • Cargo gear examined in absence of cargo gear certificate • Vessel loading manual available • Hatch covers • Condition of ladders • Electrical fixtures and wiring • Fire detection system in hatches • Fire safety and personnel hazards • Power-operated industrial trucks	_____	_____
CS09	Test and inspect emergency shutdown station(s). • Minimum number of stations • Stations properly located and marked • Means provided to stop cargo pumps and close valves • Pump and valve shutdowns operate in the prescribed time • Valves may be operated manually and fail safe (closed) • Fusible elements correctly installed • Emergency shutdown controls installed at the cargo control station	_____	_____
DD11	Examine draft marks (placement of marks consistent with stability letter and properly scribed).	_____	_____
DD12	Examine load lines (placement of marks consistent with load line certificate and properly scribed).	_____	_____
DD24	Examine freeing ports and scuppers.	_____	_____
ED01	Observe fire and boat drills. • Maximum participation by crew accomplished • Crew members report to their proper stations • During fire drills, fire pump(s) started and fire hose(s) lead out • Individual designated as person in charge conversant with duties and procedures to be followed • Emergency equipment broken out for fire drills and designated person assigned to use gear present, properly	_____	_____

HI Tasks

Task Number	*OJT Task*	*Date Completed*	*Verifying Officer*
	equipped and familiar with duties		
ED01 (cont'd.)	• For fire drills, communications established between control center, normally the bridge, and source of emergency • Proper alarm is sounded on vessel's general alarm system • All alarm bells function properly • Visual signals in machinery spaces function properly • Escapes are clear and unobstructed • For fire drills, watertight doors secured to isolate compartments • Crew members report to stations for drills wearing PFDs, cap and shoes • For boat drills - person in charge or each boat or raft has muster list • For boat drills - communication established between bridge and boat deck • Lifeboats with fleming gear - gear is operable and crew familiar with use • Lifeboats with oars - crew is exercised • Motorized lifeboats - person in charge and engineer competent in operating the engine • Hydraulic starting system on motorized vessels capable of making six cold starts • Crew competent in readying vessel for launching (belly gripes removed, retaining pin on counter weight removed, etc.) • Lifeboat can be safely and efficiently released from falls by boat crew		
ED04	Review logbook and ensure entries related to tests and drills have been made.	_____	_____
EE01	Inspect fireman's outfit(s). • Proper number aboard vessel • Outfits correctly stowed • Describe what constitutes a fireman's outfit • What spare equipment is required • Location(s) of fireman's outfits listed on fire safety plan • Location(s) marked in accordance with applicable regulations • Steps been taken to thwart pilfering and do they deny legitimate access to equipment • Communications system to the bridge necessary	_____	_____
EE02	Examine required refrigeration masks.	_____	_____
EE03	Ensure the international shore connection meets 46 CFR Subchapter Q and SOLAS requirements.	_____	_____

HI Tasks

Task Number	*OJT Task*	*Date Completed*	*Verifying Officer*
EE04	Inspect EPIRB. • Right type • Operative • Stowed properly • Tested as frequently and in manner required by regulations • Battery still within date	_____	_____
EE05	Test and inspect the general alarm system. • Contact makers located in accordance with applicable regulations • General alarm bells located in accordance with applicable regulations • Sound levels produced meet the minimum criteria required by regulations (is it loud enough) • Any of the alarm bells inoperative • Visual signals installed in areas of high ambient noise level • Contact makers and general alarm bells marked in accordance with regulations	_____	_____
EE06	Inspect line-throwing equipment. • Required equipment provided • Equipment on board approved • Required drills with line throwing equipment conducted and logged in accordance with applicable regulations • Equipment provided within time limits for service life	_____	_____
EE09	Inspect pyrotechnics. • Proper type equipment provided for vessel being inspected • Equipment provided within time limits for service life • Equipment properly stowed • Persons in charge of lifeboats knowledgeable in use of equipment	_____	_____
ES07	Ensure lighting systems and fixtures are adequate and meet regulations. • Passageways and public areas • Machinery spaces • Passenger and crew spaces • Berth lights • Exit lights • Pilot ladders • Navigation • Signaling lights • Lifeboat and liferaft embarkation stations	_____	_____
ES09	Ensure receptacle outlets have grounding poles and are	_____	_____

HI Tasks

Task Number	*OJT Task*	*Date Completed*	*Verifying Officer*
	properly grounded.		
ES10	Inspect distribution panels. • Circuit directory provided • Amperage ratings of the protective devices in accordance with required circuit directory • Panelboard blanks installed, where necessary	_____	_____
ES12	Survey electrical cable installation and determine: • Vertical and horizontal supports properly spaced • Radius of the bends exceed CFR specifications • Portable cables used for unauthorized purposes • Acceptable materials used • Hazardous conditions exist (jury rigs, dead end cables, splices, etc.)	_____	_____
ES13	Test power-operated watertight doors from local and remote control units.	_____	_____
ES14	Test internal communication and control systems and ensure the following systems work properly. • General alarms (bells and contractors) • Sound powered phones to all required stations • Engine order telegraph and wrong direction alarm • Public address system • Engineer's assistance needed alarm • Engineer's call system • Fire detection/fire alarm system • Refrigerated space alarm system	_____	_____
ES16	Inspect components installed in designated hazardous locations and ensure explosion proof installation. • Fuel purifier rooms • Paint locker • Cargo area • Pumprooms	_____	_____
ES18	Inspect the general alarm system emergency batteries.	_____	_____
ES19	Inspect ventilation systems and perform operational test of alarms and remote ventilation shutdowns.	_____	_____
FF01	Determine amount, type and location of fire protection equipment required.	_____	_____

HI Tasks

Task Number	*OJT Task*	*Date Completed*	*Verifying Officer*
	• By the vessel's Certificate of Inspection • By the respective regulations		
FF02	Inspect fixed CO_2 systems. • Test sirens and time delays • Obtain servicing reports • Bottles underweight • Flexible loops serviced and tested • Diffuser heads clear • Access to CO_2 room free of obstruction • Hydrostatic test required by regulations • Instructions posted	_____	_____
FF06	Inspect Halon systems. • Coast Guard approved • Markings and notices correct and properly posted • Controls functioning • Closure for protected spaces provided • Quantity sufficient • Vent and engine shutdowns functioning	_____	_____
FF08	Inspect semi-portable fire fighting equipment. • Installation approved • System serviceable • Instructions posted • Correct type and amount on hand • Markings correct	_____	_____
FF09	Inspect portable firefighting equipment. • Fire extinguishers approved • Each unit serviceable • Adequate spare charges provided • Correct type and amount on hand • Distributed per fire control plan • Markings correct • Servicing properly logged	_____	_____
FF10	Inspect fire main and fire stations. • Correct number of fire pump(s) provided • Fire hoses meet acceptable standards • Equipment provided at each required fire station pursuant to regulations • Requirements for hose length and size at each fire station complied with • Fire pump(s) capable of providing adequate pressure to highest and most remote fire station using pitot tube	_____	_____

HI Tasks

Task Number	*OJT Task*	*Date Completed*	*Verifying Officer*
	• Pressure gauge installed on discharge side of fire pump • Fire hoses serviceable after hydro testing • Valves at fire stations operable		
FF10 (cont'd.)	• Fire main(s), hose(s), and equipment compatible at each station • Approved nozzles and applicators provided for each fire station • Fire pump relief valve functions properly • Markings correct		
FF13	Witness operational test of fire detection system. • System serviceable • All sensors free of obstructions and functioning • Alarms and indicators functioning correctly • Required instructions and diagrams provided • Markings correct	_____	_____
FF14	Inspect and ensure proper operation of fire doors and dampers. • Test controls: local/remote • Remote shutdowns for machinery spaces and quarters ventilation systems • Markings correct • Fusible links	_____	_____
FF16	Inspect and operationally test sprinkler system.	_____	_____
FF17	Review fire control and hazardous location plans. • Complies with regulations • Correctly reflects the vessel as found • Indicated markings and positioning of fire extinguishing equipment correct • In required locations	_____	_____
FF18	Inspect fire axes. • Correct number provided • Marked properly • Distributed adequately	_____	_____
FF19	Inspect condition of vents and ducts leading from grill in galley for fire hazard.	_____	_____
FF20	Examine fire control plan and/or general arrangement plan to verify structural fire protection required on the	_____	_____

HI Tasks

Task Number	*OJT Task*	*Date Completed*	*Verifying Officer*
	vessel under inspection.		

HI Tasks

Task Number	*OJT Task*	*Date Completed*	*Verifying Officer*
FF21	Determine that appropriate Class A boundaries separate accommodation and control spaces from the following: • Machinery spaces • Main pantry • Hazardous locations/classified areas • Storerooms	_____	_____
FP01	Verify that the required forms, placards, and notices are posted. • Pollution/MARPOL: – Placard – Waste management plan • Coast Guard forms: – CG-809: Station bills, drills – CG-811: Lifesaving signals and instructions – CG-841: Certificate of Inspection – CG-848: Station Bill – CG-2832: Vessel Inspection Record – CG-3372: Oil Pollution • Passenger notices • Plans posted: – General arrangement – Fire control plan • Rules and regulations for class of vessel • SOLAS certificates • Markings: conspicuous and legible	_____	_____
GT01	Verify that ground tackle and related equipment is in satisfactory condition. • Anchors • Chain • Winch and foundations • Anchor chain stoppers • Anchor handling davits	_____	_____
GT04	Inspect mooring system and equipment. • Structurally sound bitts, cleats, fairleads and winches • Adequately sized and serviceable mooring lines and wires	_____	_____
II01	Review vessel documents listed in MSIS and VFLD and papers, and state if each is valid or expired.	_____	_____
II05	Discuss scope of inspection with owner's representative. Decide on general sequence of	_____	_____

HI Tasks

Task Number	*OJT Task*	*Date Completed*	*Verifying Officer*
	inspection.		
II06	Obtain CG-2692 for reportable marine casualties/ structural failure report.	_____	_____
II07	Examine gas-free certificate issued by an NFPA-certified marine chemist for hot work and/or confined space entry. • Information on the gas-free certificate meet the requirements of NFPA Standard 306 and Coast Guard confined space entry/benzene exposure policy • Gas-free certificate been maintained by a designated competent person and records kept as required by OSHA regulations • Marine chemist certified by NFPA • Review benzene and confined space entry policies	_____	_____
II09	Review any MSIS inspection notes and outstanding deficiencies (CG-835s). Ask owner's representative if any other deficiencies exist.	_____	_____
LS01	Determine amount and type of lifesaving equipment required. • Certificate of Inspection • CFRs • SOLAS	_____	_____
LS05	Inspect life preservers. • Properly equipped with lights, whistles and reflective tape • Approved for intended service • Sufficient serviceable units aboard and properly stowed • Properly marked	_____	_____
LS06	Inspect ring buoys. • Approved for intended service • Properly colored and marked • Correctly equipped with waterlights and line • Serviceable • Sufficient number of ring buoys are aboard	_____	_____
LS07	Inspect survival suits. • Equipped as required • Physically serviceable • Sufficient number of units aboard and properly stowed	_____	_____

HI Tasks

Task Number	*OJT Task*	*Date Completed*	*Verifying Officer*
LS08	Inspect lifeboat equipment (or survival capsule). • Correct equipment and quantity on board • Equipment properly colored and marked • Equipment serviceable • Sufficient water, milk, and provisions are on board, within date limitations and still serviceable • Fuel for motorboat changed within proper time limit	_____	_____
LS09	Inspect lifeboat (or survival capsule) for hull structure and fittings.	_____	_____
LS10	Witness lifeboat and davit launched raft weight test. • Weight required • Verify correct weight used • Winch brake functions properly • Davits function properly • Releasing gear functions properly	_____	_____
LS11	Inspect and test lifeboat winches and associated equipment. • Properly working winches • Properly wired strip heaters used • Properly working limit switches • Properly connected emergency disconnect switch • Check condition of falls and note dates renewed/end-for ended	_____	_____
LS12	Witness lifeboat operation. • Engine starts without starting aid • Engine propels boat ahead and astern efficiently • Hand propelling gear propels boat ahead and astern • Waterspray system functions properly • Lifeboat arranged properly	_____	_____
LS13	Inspect embarkation aids. • Jacob's ladder provided is correct length, secured, and serviceable • Lighting provided and functions on emergency power	_____	_____
LS14	Inspect davit structure. • Evidence of cracks or deterioration • Effect of defects on structure • Proper repairs and proof test required	_____	_____

HI Tasks

Task Number	*OJT Task*	*Date Completed*	*Verifying Officer*
LS16	Inspect inflatable liferaft installations. • Serviced annually • Last servicing date at approved facility • Properly secured in the cradle designed for them • Hydrostatic releases serviced • Alternative means of securing meets criteria promulgated in NVIC 4-86 • Suspension test • Davit weight test • Operating instructions posted at embarkation station	_____	_____
LS17	Inspect rescue boat. • Maintained in serviceable condition • Stowed in proper location as indicated on safety equipment plan • Can be readily launched either by hand or by davit • Rescue boat is on "approved" list • Release mechanism is in service and in good condition • Required equipment in boat	_____	_____
LS18	Determine if vessel meets criteria for use of rescue platforms in lieu of a rescue boat.	_____	_____
MI01	Determine condition of the following components of the steering gear assembly: • Insides of motor controller and switch gear boxes • Mounting bolts for all equipment (vibration) attachments, links and pins • Freedom of movement and absence of any friction noises on motors and pumps • Cleanliness of space (absence of fire/personnel hazards) • Evidence of saltwater leakage through rudder post packing or vent ducts	_____	_____
MI06	Inspect bilge pumps installation, piping, and valves. • System capable of pumping from any watertight compartment except ballast, oil and water tanks • Standing water drains to suction pipes • Bilge manifold has independent bilge suction control and is properly marked • Suction strainers are installed • Emergency bilge suction installed, where required • Instrumentation operable	_____	_____

HI Tasks

Task Number	*OJT Task*	*Date Completed*	*Verifying Officer*
MI09	Examine potable water system. • Dedicated tanks; treated or coated • Tanks ventilated with insect screens installed • Water pump(s) and pressurization system operable • Pressure tank installation	_____	_____
NS01	Ensure radars are operable. • ARPA operational • Correct number and type of radars aboard	_____	_____
NS02	Inspect magnetic compass. • Valid deviation table • Any structural modification taken place or equipment been installed/removed near compass since last table completed	_____	_____
NS03	Ensure required depth sounding/recording equipment is operable.	_____	_____
NS04	Ensure radio direction-finding equipment and electronic position fixing devices are provided and operable.	_____	_____
NS05	Ensure radio equipment and FCC or SOLAS documents are aboard and valid.	_____	_____
NS06	Inspect navigation and signal lights. • Properly functioning • Correctly placed in accordance with applicable regulations • Certificate of alternative compliance on board • Properly functioning navigation light indicator panel	_____	_____
NS09	Inspect signaling devices. • Navigation sound appliance • Distress signals • Navigation day shapes	_____	_____
NS10	Inspect navigation publications. • Those required by CFR provided • Publications are current or updated where necessary • Necessary charts provided and corrected • Vessel has up-to-date notice to mariners	_____	_____

HI Tasks

Task Number	*OJT Task*	*Date Completed*	*Verifying Officer*
NS12	Ensure following navigational equipment is on board. • International signal flags • Whistle • Proper fog signal devices • Properly located fog gong	_____	_____
NS13	Ensure required maneuvering characteristics are complete and pertain to vessel in question.	_____	_____
NS14	Ensure that tests required to be conducted prior to getting underway and entering port were logged in accordance with applicable regulations.	_____	_____
PP01	Inspect pollution prevention equipment and documentation. • Discharge containment in place and of the proper type and size for cargo, fuel, or lube oil, as needed • Slop tank provided and located in accordance with regulations • Pump, fixed or portable piping system(s), valve(s), and controls, as the regulation apply to vessel in question, are provided to remove dirty oil and bilge slops • Pump, fixed piping, valve(s), and controls are provided for combined fuel and ballast tank(s) as needed and where specified by regulation • Oily water separator installed properly and functions correctly • Oil discharge prohibition placard is placed at the bilge and ballast manifold and/or in each machinery space • No fuel or dirty oil is carried in a prohibited oil space except as specified by regulation • Proper documentation for the person(s) assigned to vessel who deal directly with oil transfer to and from vessel • Required transfer procedures are correct, complete, and available to assigned personnel as required • Emergency shutdown system(s) function properly • Adequate communication between participants in transfer operations and sufficient lighting at critical work stations are provided where specified by regulation • Required records for tests and inspections of oil transfer hoses and equipment and declarations of inspection are available, current and correct, where required • Scupper plugs are available for use during oil transfer operations	_____	_____

HI Tasks

Task Number	*OJT Task*	*Date Completed*	*Verifying Officer*
PP03	Insure that MSD requirements are met, if installed. • Proper type installed • Device approved for use aboard inspected vessels • Adequate capacity • System is piped and wired in accordance with Subchapters F and J • Manufacturer's instructions available • Required instructions and warning placard posted	_____	_____
PP04	Conduct an IOPP boarding and survey, and verify that required equipment is on board and in proper working order. • Segregated ballast tanks • Dedicated clean ballast tanks • Slop tanks • Monitoring equipment	_____	_____
PP05	Verify MARPOL V compliance. • Check waste management plan • Plastics retained or incinerated • Placards posted	_____	_____
RT01	Complete Initial Indoctrination Lesson Plan Series (IILPS).	_____	_____
RT02	Complete Inspection Department Course.	_____	_____
RT06	Complete SMI Introduction Course.	_____	_____
RT07	Complete SMI Hull Course.	_____	_____
ST01	Examine stability letter and book.	_____	_____
VS02	Inspect vents to voids, ballast, and portable water tanks. • Condition of vent lines • Insect screen provided and in good repair • Means of closure provided and operable	_____	_____
VS03	Examine deck openings and vents. • Access covers bolted securely • Access cover gaskets in good condition • Vent closures	_____	_____

HI Tasks

Task Number	*OJT Task*	*Date Completed*	*Verifying Officer*
WI01	Inspect watertight doors. • Knife edges intact and in good repair; no excessive paint buildup • Gasket material installed in channel is in good condition and not painted • Knife edges and channel meet as designed when door closed • Hinges and hinge bolts in good condition; no sagging of door due to rounded out hinges or worn hinge bolts • Dogs are all operable; grease fittings still usable • Dogging wedges not excessively worn and fit up satisfactory • Quick-closing gear operable and adequate closure achieved • Any port lights installed in watertight doors use wire mesh reinforced glass • Dogging wrench provided in vicinity of watertight door(s)	_____	_____
WI02	Test power-operated watertight doors from local and remote control units.	_____	_____
WI03	Inspect watertight bulkhead penetrations. • Penetrations properly sealed to maintain watertight integrity through use of devices such as stuffing tubes • Sealant used, if stuffing tubes are employed, is non-flammable product designed for such use and is approved	_____	_____
WI05	Inspect remote-operated valves and controls. • Each valve identified as to function either by tag affixed to handle or by independent means • Each valve adequately lubricated and freely operated • Reach rods and other manual remote control mechanisms function properly • Each power-operated valve can be operated from control stations • An adequate means of control is provided to secure valves on fuel and lube oil lines to prevent pollution incident	_____	_____
WI06	Inspect bilge wells and "rose boxes." • They are clear of debris; strainer plates in place • Bilge pumping system(s) function adequately (demonstrate ability of system to take suction from each bilge well) • Bilge alarms function properly	_____	_____
WI07	Inspect hull and deck openings. • Dogs, gaskets and knife edges maintained as previously described for watertight doors, on any hull or deck openings • Cargo hatches structurally sound and watertight; hatches observed in secured position to verify • Sideports and Ro-Ro Ramps, if applicable, structurally sound	_____	_____

HI Tasks

Task Number	*OJT Task*	*Date Completed*	*Verifying Officer*
	and watertight		

HI Tasks

Task Number	*OJT Task*	*Date Completed*	*Verifying Officer*
WI09	Inspect port light covers. • Port lights at the main deck level have a cover installed • Dogs free on each shutter • Shutters restricted in their movement from stowed-to-closed position	_____	_____
WR01	Evaluate welding repair proposal. • Plan or sketch submitted with bill of materials • Configuration of repair acceptable • Material specification same as existing or equivalent • Method of joining acceptable	_____	_____
WR02	Complete initial visual inspection of weld repair. • Examine fit up in accordance with approved weld procedures • Examine joint preparation in accordance with approved weld procedures • Verify materials (base, filler, gas) in accordance with approved weld procedures • Verify proper preheat temperature/time in accordance with approved weld procedures • Evaluate weather conditions • Check welding equipment in accordance with approved weld procedures	_____	_____
WR03	Complete intermediate visual inspection of weld repair. • Check back gouging for full penetration weld • Check proper cleaning between weld passes • Check interpass temperatures in accordance with approved procedures • Verify that proper weld sequencing is followed • Evaluate weather conditions	_____	_____
WR04	Complete final visual inspection of weld repair. • Perform dry search to ensure welding complete and followed weld details • Perform surface inspection of welds for defects • Verify proper postheat temperature/time in accordance with approved weld procedures	_____	_____
WR05	Witness pressure testing of welded repairs. • Witness hose testing • Witness air testing • Witness hydrostatic testing	_____	_____

DATE	LOCATION	VESSEL NAME	VESSEL CLASS	INSPECTION TYPE	LEAD INSPECTOR

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